Ryan Abeysinghe

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Education

University of Maryland   Aug. 2019 – Dec. 2023
*Bachelor of Science in **Computer Science**, Minor in **Global Engineering Leadership***   *College Park, MD*
Awards/Scholarships: Dean's List, Clifford & Camille Kendall CMNS Scholarship, CMNS Undergraduate Scholarship

Experience

Consumer Technology Association   Jul. 2023 – May. 2024
Full Stack Web Developer Intern   *Arlington, VA*
- Maintained and developed dynamic web applications utilizing **JavaScript**, **HTML**, **CSS**, and **C#** within the **ASP.NET MVC** framework, integrating services with Jira Agile methodology.
- Collaborated on deploying CES/CTA web applications in **Azure** cloud-based production environments and maintained staging environments for testing, ensuring smooth releases.
- Developed and integrated custom **Kentico CMS** page types, templates, and widgets enhancing CES/CTA website functionality for over 500K monthly visitors.

FINRA (Financial Industry Regulatory Authority)   May 2021 – Aug. 2021
Software Developer Intern   *Rockville, MD*
- Collaborated with FINRA CAT's (consolidated audit trail) technical team, enhanced and maintained application code through requirement reviews, test cases, utilizing **AWS** services, **Java**, **SQL**, and **Python** programming languages.
- Architected and integrated a scalable STRESS testing infrastructure for FINRA CAT's application, utilizing AWS cloud-based resources to support high-volume integration and penetration testing; increased test coverage by **3%**.
- Facilitated integration and maintenance of code/scripts within CAT's team repository, leveraging **Jenkins** pipelines for efficient continuous integration/delivery (**CI/CD**), enabling streamlined code deployment to production environments.

WESTAT   Jul. 2021 – May 2022
Help Desk Analyst   *Rockville, MD*
- Primary focus on PC/Laptop support, which includes new system preparation, system re-imaging, problem troubleshooting, repair, and shipping logistics.
- Established secure Wi-Fi, LAN, and VPN networks at remote locations, leading client/server configuration of crucial infrastructure to ensure seamless business operations.
- Identified system hardware, network infrastructure, connectivity issues that prevented execution of user-initiated tasks.

Projects

R & S Constructions LLC Website | *React.js, Next.js, JavaScript, HTML, Tailwind CSS*   Jan. 2024 – Present
- Developed fully responsive website using **JavaScript**, **HTML**, and **CSS** utilizing **React JavaScript** Framework to elevate user experience (**UX**) for general contracting purposes.
- Executed **SEO** best practices to optimize company's web traffic by establishing sitemap, meta tags, robots.txt, images, internal links, semantic **HTML**, titles/headings, optimized keywords.
- Established Domain, Domain Nameservers, SSL certificate, Cloudflare CDN, and DNS Zone editor configuration utilizing hosting provider Hostinger.

TerpExchange Mobile App | *React Native, JavaScript, Google Firebase, Clerk*   Feb. 2024 – Present
- Developing app in **React Native**, enabling students to buy/sell products seamlessly within UMD campus community.
- Integrating **Cloud Firestore** as the backend data storage solution to store items listings, user reviews, and info.
- Designing real-time, responsive user interface (**UI**) capable of dynamically presenting actively posted student items.
- Leveraging **Clerk** Authentication to establish a robust student-affiliated authentication system among UMD students, mitigating scam risks and ensuring secure access.

COVID-19 Data Science App | *Python, HTML, Markdown, Jupyter Notebook*   Aug. 2021 – Dec. 2021
- Co-developed tutorial leveraging **Python**, **HTML**, and **Markdown** within a **Jupyter Notebook** to assess the impact of maintaining a healthier diet on individuals' ability to combat COVID-19.
- Leveraged **Python** regression analysis, null-hypothesis testing, and exploratory data analysis techniques to investigate the relationship between individual health factors and COVID-19 mortality rates, validating popular assumptions.

Technical Skills

Programming Languages: JavaScript, HTML, CSS, C#, Java, Python, Swift
Platforms & Frameworks: .NET, ReactJS, ExpressJS, NextJS
Databases: MongoDB, Google Firebase DB, PostgreSQL, NoSQL
Tools & Concepts: Git, Visual Studio, Jira, RESTful Services, Kentico CMS, Postman, Apache, Docker, Maven